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| A red circle with a white letterDescription automatically generated | Supplementary material for  Flores-Blanco, L. & M. Aldenderfer. 2025. **Kaillachuro: early monumental architecture of the Titicaca Basin, 5300–3000 BP.** *Antiquity* 99.  Author for correspondence ✉ luiflores@ucdavis.edu |

**Table S1. Complete information on radiocarbon dating and the archeological provenance of the samples that were dated at Kaillachuro.**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Laboratory ID** | **Provenance** | | | | | | **Radiocarbon BP** | | **Radiocarbon cal BP** | |
| **Material** | **Block** | **Unit / Grid** | **SU\*** | **Level** | **Context** | **Age** | **Error** | **cal BP (95.4%)** | **Mean cal BP** |
| 1 | UCIAMS-278130 | Human tooth | 3+++ | 1 | 4 |  | bone in fill | 4615 | 25 | 5329-5265 | 5262 |
| 2 | UCIAMS-278133 | Human bone | 3 | 4 | 10 |  | bone in basin | 4580 | 25 | 5195-5050 | 5185 |
| 3 | UCIAMS-259860 | Human tooth | 3 | CE | 18\*\* | b | Burial 1 | 4575 | 20 | 5192-5051 | 5180 |
| 4 | D-AMS 052910 | Human bone | 3 | 1 | 4 | b | Burial 4 | 4516 | 24 | 5294-4977 | 5150 |
| 5 | D-AMS 047363 | Human bone | 3 |  | 20\*\* |  | Burial 2 | 4500 | 27 | 5294-4963 | 5131 |
| 6 | D-AMS 047364 | Human tooth | 3 | T1S\*\*\* |  |  | Loose tooth near a metal disc | 4503 | 28 | 5294-4966 | 5134 |
| 7 | UCIAMS-278131 | Animal bone |  | 2E | 4 |  | camelid in trench | 4190 | 20 | 4827-4576 | 4699 |
| 8 | UCIAMS-259845 | charcoal | 6 | SE | 4 |  | hearth in the fill | 4175 | 20 | 4824-4570 | 4686 |
| 9 | UCIAMS-278139 | charcoal | 4 | SC | 6 |  | ash level | 4135 | 15 | 4654-4519 | 4634 |
| 10 | UCIAMS-278141 | charcoal |  | 3 | 6 |  | charcoal in pit | 4115 | 15 | 4649-4512 | 4591 |
| 11 | BETA-112315+ | charcoal | 3 |  | V |  | Stone box | 3960 | 50 | 4533-4147 | 4352 |
| 12 | UCIAMS-259859 | Human bone | 6 | CE | 9 |  | Bone in fill | 3495 | 20 | 3831-3681 | 3738 |
| 13 | UCIAMS-278132 | Human bone | 3 | T1S | N6-R1 |  | Loose bone in fill 10-cm from a B7 | 3440 | 20 | 3719-3571 | 3651 |
| 14 | UCIAMS-259841 | charcoal | 5 | CC | 11 |  | midden pit | 3425 | 15 | 3695-3569 | 3630 |
| 15 | UCIAMS-278140 | charcoal | 3 | 1 | 3 | c | Occupation level | 3360 | 15 | 3588-3482 | 3532 |
| 16 | D-AMS 052909 | Human bone | 3 | 4 | 13/14 |  | Burial 5 | 3294 | 24 | 3392-3563 | 3466 |
| 17 | D-AMS 047365 | Animal bone | 6 |  | 9 |  | stone platform | 3123 | 38 | 3385-3172 | 3288 |
| 18 | UCIAMS-259861 | Human bone | 3 | CE | 10\*\* |  | Burial 3 | 3050 | 15 | 3267-3137 | 3210 |
| 19 | UCIAMS-278134 | Human tooth | 3 | 4 | 13/14 |  | Burial 5 | 3005 | 20 | 3230-3002 | 3132 |
| 20 | D-AMS 047367 | Animal bone | 1 |  | 10 |  | Intrusive burial | 340 | 24 | 448-355 | 383 |
| 21 | D-AMS 052911 | Human bone | 6 | Trench2++ | VI |  | Intrusive burial | 472 | 20 | 520-462 | 493 |
| \* Stratigraphic Unit (SU). | | | | | | | | | | | |
| \*\* We renamed 2021 and 2022 SUs to ensure each recording has a unique identifier. For the 2021 season, SU-18 instead of 3, SU-20 instead of 4 and SU-10 instead of 7. Other changes: SU-7 instead of 6, SU-19 instead of 5, and SU-17 instead of 2. For the 2022 season, there are just a few changes, SU-16 instead of 17, SU-21 instead of 18, and SU-16 is within 10. | | | | | | | | | | | |
| \*\*\* Trench 1 South (T1S).  + Old radiocarbon date from Kaillachuro (Craig 2005). | | | | | | | | | | | |
| ++ Excavation 2002 (Craig 2005). | | | | | | | | | | | |

+++ Block 3 is on M4, Block 6 is on M6, Block 1 is on M1, and Block 5 is on M5 (Figures 4 & 5).

**Reference**

Craig, N. 2005. The formation of early settled villages and the emergence of leadership: a test of three theoretical models in the Rio Ilave, Lake Titicaca Basin, southern Peru. Unpublished PhD dissertation, University of California, Santa Barbara.

**Table S2. Periodisation of the Kaillachuro stratigraphic sequence.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Periods** | **Phases** | **Events** | **SU (Stratigraphic Unit) or Levels** | **Features** | | **# Radiocarbon dates** | **Date (Cal BP)** |
| Inca? | 5 | Intrusive | SU-1, Level I | Burials in M1 and M6 | | 2 | 520-400 |
| Early Formative | 4 | C | SU-2 | Third M4, Last M6, B4 | | 4 | 3500-3000 |
| B | SU-10, Level Ia | Burial 3, slabs | |
| A | SU-11, SU-12, SU-13, SU-14 (Burial 5), SU-15, SU-16 (Cist) | Burial 5, Cist, B5, Platform, Enclosure |  | |
| Terminal Archaic | 3 | B | SU-3a,b,c, Levels III-IV | Second M4 | | 4 | 3800-3500 |
| A | SU-3d, Levels V-VII | B7 | |
| 2 |  |  | Box Stone | | 5 | 4800-4100 |
| 1 | B | SU-4, SU-6, SU-18 | Burial 4, First M4 | | 6 | 5300-5000 |
| A | SU-7, SU-8, SU-9, SU-19, SU-20 | Burial 1, Burial 2 | |
|  |  |  | SU-21 (sterile layer) |  | | Total: 21 |  |
| \* M4 = Mound 4 / M6 = Mound 6 / B = Burial (recovered in the 1990s). | | | | | |  |  |